

WHAT IS CLAIMED IS:

1. A remote-operating apparatus for remotely controlling a first apparatus, comprising:

- 5 a reception means for receiving predetermined information from the first apparatus; and
- a transmission means for transmitting operation information to the first apparatus as a response to the predetermined information received by the reception means, the operation information being transmitted to
- 10 remotely operate the first apparatus.

2. A remote-operating apparatus according to claim 1,

- wherein the first apparatus monitors a state of a
- 15 second apparatus, and

the predetermined information includes information concerning the state of the second apparatus.

3. A remote-operating apparatus according to
- 20 claim 1,

wherein the predetermined information includes request information for requesting establishment of a stream connection.

- 25 4. A remote-operating apparatus according to claim 1,

wherein the first apparatus is connected to a

network protected by a firewall.

5. A remote-operating apparatus according to claim 1,

5 wherein the predetermined information is transmitted using HTTP (HyperText Transfer Protocol).

6. A remote-operating apparatus according to claim 5,

10 wherein SSL (Secure Socket Layer) is used to transmit the predetermined information.

7. A remote-operating apparatus according to claim 1,

15 wherein the transmission means transmits the operation information when a predetermined period of time has passed since the reception of the predetermined information.

20 8. A remote-operating apparatus according to claim 1,

wherein the first apparatus monitors a state of a second apparatus and operates the second apparatus, and the predetermined information is one of state

25 information showing the state of the second apparatus and request information for requesting transmission of the operation information, the first apparatus

operating the second apparatus according to the operation information.

9. A remote-operating apparatus according to
5 claim 8,

wherein the transmission means also transmits a response to the state information.

10. A remote-operating apparatus according to
10 claim 9,

wherein when transmitting the operation information, the transmission means transmits the operation information when a predetermined period of time has passed since the reception of the
15 predetermined information, and

when transmitting the response, the transmission means transmits the response immediately after the reception of the predetermined information.

20 11. A remote-operating apparatus according to claim 1,

wherein the transmission means transmits the operation information when a predetermined period of time has passed since the reception of the
25 predetermined information, and

if a plurality of pieces of operation information are generated during the predetermined period of time,

the transmission means transmits the plurality of pieces of operation information by one operation.

12. An information processing apparatus
5 comprising:

a transmission means for transmitting predetermined information to a remote-operating apparatus;

a reception means for receiving remote operation
10 information transmitted from the remote-operating apparatus as a response to the predetermined information; and

a control means for performing control based on the remote operation information received by the
15 reception means.

13. An information processing apparatus according to claim 12,

wherein the control means operates a second
20 apparatus based on the remote operation information.

14. An information processing apparatus according to claim 12 is an apparatus for monitoring a state of a second apparatus,

25 wherein the predetermined information includes information concerning the state of the second apparatus.

15. An information processing apparatus according to claim 12,

wherein the predetermined information includes information for requesting establishment of a stream
5 connection.

16. An information processing apparatus according to claim 12,

wherein the information processing apparatus is
10 connected to a network protected by a firewall.

17. An information processing apparatus according to claim 12,

wherein the predetermined information is
15 transmitted using HTTP (HyperText Transfer Protocol).

18. An information processing apparatus according to claim 12,

wherein the predetermined information is
20 transmitted using the HTTP on an SSL (Secure Socket Layer).

19. An information processing apparatus according to claim 12 is an apparatus for monitoring a state of a
25 second apparatus and operating the second apparatus,

wherein the predetermined information is one of state information showing the state of the second

apparatus and request information requesting
information for operating the second apparatus.

20. An information processing apparatus according
5 to claim 19,

wherein the reception means also transmits a
response to the state information.

21. A method of remotely operating a first
10 apparatus using a remote-operating apparatus,
comprising the steps of:

transmitting predetermined information from the
first apparatus to the remote-operating apparatus; and
transmitting operation information from the
15 remote-operating apparatus to the first apparatus as a
response to the predetermined information, the
operation information for remotely operating the first
apparatus.

20 22. A method of controlling a remote-operating
apparatus for remotely operating a first apparatus,
comprising:

a reception step for receiving predetermined
information from the first apparatus; and

25 a transmission step for transmitting operation
information to the first apparatus as a response to the
predetermined information received in the reception

step, the operation information for remotely operating the first apparatus.

23. A method of controlling an information processing apparatus, comprising:
- a transmission step for transmitting predetermined information to a remote-operating apparatus;
 - a reception step for receiving remote operation information transmitted from the remote-operating apparatus as a response to the predetermined information; and
 - a control step for performing control based on the remote operation information received in the reception step.

007874-101701
107107-128200